

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2003-0010

FOR

Sebastopol Road Commingled Plume Group

consisting of:

Redwood Oil Company
Robert Barbieri
Gerald Sherman
Massud Ravenfar
Tito and Lilia DeLeon
Charles and Benita Jeppson
Ignacio and Idolina Alvarez
for
760 Sebastopol Road

Baugh Survivor's Trust
James T. Baugh as Trustee
ChevronTexaco
Tosco
PhillipsConoco
for
805 Sebastopol Road

Ultramar, Inc.
Tesoro Refining and Marketing Company
Flyers Beacon LLC
Phillip M. Bressler as Trustee
Phillip Bressler Trust
for
921 Sebastopol Road

Sonoma County

Monitoring

1. The presence of floating product shall be evaluated in each monitoring well quarterly. If detected, the thickness shall be measured to at least 0.01 foot increments.
2. The depth to groundwater in each monitoring well shall be determined to at least 0.01 foot increments quarterly. The results of each quarter's elevation shall be reported in tabular form indicating the surveyed elevations of each well reference point, depth to groundwater from each reference point, and the actual groundwater elevation. The data generated from the elevation readings shall be referenced to mean sea level.

3. Each monitoring well shall be sampled quarterly. The analyses shall be performed at a certified laboratory for Total Petroleum Hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), and five oxygenates including MTBE, TBA, TAME, DIPE and ETBE. 1,2-dichloroethane (1,2-DCA) shall be sampled quarterly in Redwood Oil monitoring wells DTSC-7, MW-7 and MW-8B. EPA Method 8260 is specified for the oxygenate analysis.
4. Sampling of the groundwater extraction and treatment system influent and effluent shall be performed quarterly for the following constituents: TPHg, BTEX, five oxygenates, 1,2-DCA, and halogenated volatile organic compounds (HVOCs). EPA Method 8260 is specified for the oxygenate analysis.
5. Remediation system performance reports shall be submitted quarterly. Remediation system operations and maintenance reports shall be submitted semiannually in April and October.
6. Graphs illustrating selected chemical concentration data versus time curves shall be established for each well and shall be submitted quarterly. The scale used for the concentration, or vertical, axis shall be a log scale.
7. Contour maps of contaminant concentration in groundwater for each aquifer monitored shall be submitted quarterly for selected contaminants of concern. At a minimum, these contaminants shall include TPHg, benzene, and MTBE.
8. Analytical methods for groundwater monitoring and the groundwater extraction and treatment system monitoring shall achieve the lowest practical quantitation reporting limits attainable.
9. This monitoring program incorporates portions of monitoring and reporting requirements contained in the April 1, 1992 Revised Monitoring and Reporting Program (M&RP) No. 90-42 for the 760 Sebastopol Road Site and the August 1, 1994 Revised M&RP No. 91-99 for the 921 Sebastopol Road Site. Therefore, the April 1, 1992 Revised M&RP No. 90-42 and the August 1, 1994 Revised M&RP No. 91-99 are superseded and replaced by this Monitoring and Reporting Program.

Reporting

1. In addition to the customary monitoring report (paper) format submitted to this office, all analytical data and other site-specific information must be submitted over the Internet to the State Water Board Geographical Environmental Information Management System database (Geotracker). The State Water Board has designated the Electronic Deliverable Format (EDF) to meet this objective. Since September 1, 2001, analytical laboratories have been required to submit electronic data using EDF for their analyses of soil and/or groundwater samples. After January 1, 2002, the following site specific information has also been required to be submitted electronically:
 - The latitude and longitude of ground water monitoring wells (including any other well or permanent sampling point designated as part of the site monitoring program) accurate to within one meter;

- The surveyed elevation, relative to mean sea level, for any ground water sampled, accurate to within a tenth of a foot;
- Groundwater information, including depth to water, free product presence/thickness and well status; and
- A site map in electronic format showing property boundaries, buildings, and soil and water sampling locations.

These submittals are for all UST sites. For more information about the EDF process, you may log-on to the State Water Board Web site at <http://geotracker.swrcb.ca.gov> and then click on the information link to AB 2886.

2. A groundwater elevation contour map shall be submitted for each quarterly set of measurements and include the facility, groundwater flow pattern including the direction of the groundwater gradient, and the location of the wells measured.
3. Quarterly monitoring reports, including quarterly gradient data and quarterly sampling data, shall be submitted to this office in accordance with the following schedule:

<u>Reporting Period</u>	<u>Due Date</u>
January, February, March	April 15
April, May, June	July 15
July, August, September	October 15
October, November, December	January 15

Ordered by _____
Susan A. Warner
Executive Officer

July 18, 2003